

MONTOYAS ARROYO IMPROVEMENT

STATE PROGRAM: New Mexico Environment Department

ASSISTANCE RECIPIENT: Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA)

ASSISTANCE AMOUNT: \$1.25M



PROJECT DESCRIPTION

After flooding plagued the Village of Corrales, NM in 2006 and 2013, the Southern Sandoval County Arroyo Flood Control Authority developed a project utilizing innovative green design to enhance the absorption of stormwater to lower the risk of further floods. The core element of the project was a “mechanical phytoremediation” facility designed to use the capacity of plants to capture and filter sediment, floatables, and debris from stormwater and to allow for the absorption of the remaining flow into a permeable surface. This low-impact project preserves the arroyo in its natural state and creates open space with trails for community use. The upper infiltration basin uses natural oxbows for sediment and debris removal, while the lower segment uses a braided channel with an infiltration basis; a series of dry wells in both areas promotes groundwater recharge.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf.